

## EAST Search History

| Ref # | Hits | Search Query                                       | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| L1    | 2298 | (451/540-547).CCLS.                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR               | OFF     | 2007/03/07 07:55 |
| L2    | 401  | (451/449).CCLS.                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR               | OFF     | 2007/03/07 07:55 |
| L3    | 700  | (451/450).CCLS.                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR               | OFF     | 2007/03/07 07:55 |
| L4    | 38   | 1 and grind\$3 with wheel and space and adjust\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/03/07 08:04 |
| L5    | 15   | 2 and grind\$3 with wheel and space and adjust\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/03/07 08:05 |
| L6    | 26   | 3 and grind\$3 with wheel and space and adjust\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/03/07 08:06 |
| L7    | 7    | 1 and grind\$3 with wheel and adjust\$3 with width | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/03/07 08:07 |
| L8    | 1    | 2 and grind\$3 with wheel and adjust\$3 with width | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/03/07 08:07 |
| L9    | 1    | 3 and grind\$3 with wheel and adjust\$3 with width | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/03/07 08:08 |
| L10   | 556  | grind\$3 with wheel and adjust\$3 with width       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/03/07 08:28 |

## EAST Search History

|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| L11 | 3   | ((("5,259,150") or ("2,712,205") or ("5,846,125"))).PN.  | US-PGPUB;<br>USPAT                                    | OR | OFF | 2007/03/07 08:34 |
| L12 | 87  | erwin with junker.in.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2007/03/07 08:35 |
| L13 | 12  | ("2231516"   "2646653"   "4208843").PN. OR ("5052154").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON  | 2007/03/07 08:45 |
| L14 | 13  | ("2776527"   "2820334"   "3517462"   "5076024"   "5423717"   "5582540"   "5660582"   "5681216").PN. OR ("5846125").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON  | 2007/03/07 08:46 |
| L15 | 37  | ("2527762"   "2735236"   "2746220"   "2826019"   "3145511"   "3161995"   "3282263"   "3417517"   "3459379"   "3483858"   "3777443"   "4193228"   "4570609"   "4624237"   "4854087"   "4870946"   "5040341"   "5111624").PN. OR ("5423717").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON  | 2007/03/07 08:51 |
| L16 | 0   | ((grind\$3 with wheel) and first and second and space and adjust\$3 and collar).clm.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON  | 2007/03/07 08:53 |
| S1  | 875 | (451/541).CCLS.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2007/03/07 07:54 |
| S2  | 178 | (451/542).CCLS.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2007/03/06 17:04 |
| S3  | 116 | (451/543).CCLS.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2007/03/06 17:12 |
| S4  | 150 | (451/546).CCLS.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2007/03/06 17:16 |
| S5  | 212 | (451/547).CCLS.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2007/03/06 17:25 |
| S6  | 401 | (451/449).CCLS.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2007/03/07 07:55 |

## EAST Search History

|    |     |                 |   |    |     |                  |
|----|-----|-----------------|---|----|-----|------------------|
| S7 | 700 | (451/450).CCLS. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2007/03/07 07:55 |
|----|-----|-----------------|---|----|-----|------------------|